

WHAT IS CLAIMED IS:

*Sub art* 1. An imaging apparatus comprising:

imaging means for generating image data based on the imaging light from an object;

memory means for storing the image data;

a plurality of signal processing means for performing pre-set signal processing on the image data;

display means for displaying an image corresponding to said image data;

a recording medium for recording the image data thereon; and

control means for performing control in a first operational mode for processing the image data from said imaging means in a pre-set fashion by the signal processing means of said plural signal processing means required to perform real-time processing to write the image data in said memory means and for reading out the processed image data from said memory means to supply the read-out image data to said display means, said control means performing control in a second operational mode for writing the image data from said imaging means in said memory means and subsequently reading out the written image data to route the read-out image data to said plural signal processing means to record the image data processed by said plural signal processing means on said recording medium.

2. The imaging apparatus according to claim 1 wherein one of the plural signal processing means is resolution conversion means for converting the resolution of the

image data;

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said control means performing control in said second operational mode for reading out the image data from said memory means to send the read-out image data to said resolution conversion means and for recording the image data converted in resolution in said resolution conversion means on said recording medium.

3. The imaging apparatus according to claim 1 wherein one of the plural signal processing means is compression means for compressing the image data;

said control means performing control in said second operational mode for reading out the image data from said memory means to route the read-out image data to said compression means and for recording the image data compressed by said compression means on said recording medium.

4. The imaging apparatus according to claim 1 wherein

said control means in said first operational mode controls the imaging means and/or the signal processing means required to perform real-time processing for decimating the image data.

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